

Customer No.: 31561
Application No.: 10/711,544
Docket No.: 13529-US-PA

AMENDMENT

To the Claims

Please amend the claims as follows:

Claim 1 (currently amended) An active matrix organic electro-luminescent display panel, comprising:

a pixel structure layer, disposed on a substrate, wherein the pixel structure layer comprises an active device matrix and an anode pattern layer;

an organic light-emitting layer, disposed at least over the anode pattern layer, wherein the organic light-emitting layer comprises at least a first organic light-emitting pattern, ~~at least~~ a second organic light-emitting pattern and ~~at least~~ a third organic light-emitting pattern; and

a cathode layer, disposed on the organic light-emitting layer, wherein the cathode layer comprises a first cathode pattern disposed on the first organic light-emitting pattern, a second cathode pattern disposed on the second organic light-emitting pattern and a third cathode pattern disposed on the third organic light-emitting pattern, and the first, the second and the third cathode patterns are disconnected ~~not connected~~ to each other, and ~~the first, the second and the third cathode pattern are electrically connected to different operation voltages.:~~

wherein the first cathode pattern is electrically connected to a first voltage, the second cathode pattern is electrically connected to a second voltage, the third cathode pattern is electrically connected to a third voltage, and the first voltage, the second voltage

Customer No.: 31561
Application No.: 10/711,544
Docket No.: 13529-US-PA

and the third voltage are different from each other.

Claim 2 (canceled)

Claim 3 (currently amended) The display panel of claim 1, further comprising a plurality of a first, second and third cathode lines electrically connected to the first, the second and the third cathode ~~pattern~~ patterns respectively.

Claim 4 (currently amended) The display panel of claim 1, further comprising a partition rib structure disposed over the active device matrix and the anode pattern layer so that the first, the second, and the third organic light-emitting ~~pattern~~ patterns are isolated from each other.

Claim 5 (currently amended) The display panel of claim 4, wherein the partition rib structure further isolates the first, the second and the third cathode ~~pattern~~ patterns from each other.

Claim 6 (currently amended) The display panel of claim 4, wherein the top surface of the partition rib structure has a width greater than a width of the bottom surface of the partition rib structure.

Customer No.: 31561
Application No.: 10/711,544
Docket No.: 13529-US-PA

Claim 7 (currently amended) The display panel of claim 1, wherein the first, the second and the third light-emitting pattern patterns are fabricated using red light-emitting material, green light-emitting material and blue light-emitting material respectively.

Claim 8 (original) The display panel of claim 1, wherein the active device matrix comprises a thin film transistor array.

Claims 9-20 (canceled)

Claim 21 (new) The display panel of claim 3, wherein the first cathode pattern is electrically connected to the first voltage through the first cathode line, the second cathode pattern is electrically connected to the second voltage through the second cathode line, and the third cathode pattern is electrically connected to the third voltage through the third cathode line.

Claim 22 (new) The display panel of claim 3, wherein the first, second and third cathode patterns extend alone a first direction, and the first, second and third cathode lines extend alone a second direction different from the first direction.